

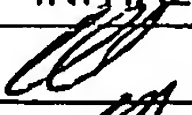





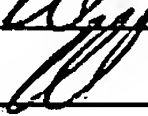


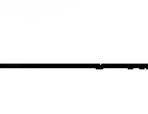


FORM PTO-1449

U.S. Department of Commerce
Patent and Trademark OfficeAtty. Docket No.
P23688.P10Application No.
10/646,908

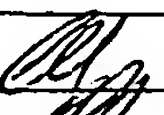
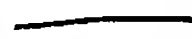




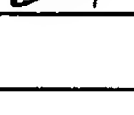


INFORMATION DISCLOSURE STATEMENT
BY APPLICANT
(Use separate sheets if necessary)

Applicant
Hiroshi NOMURAFiling Date
August 25, 2003Group
2851


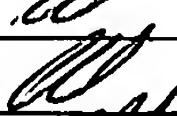

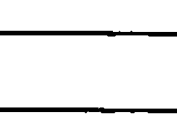
U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	4 7 9 1 4 4 1	12/13/88	NISHI et al.			
	3 3 7 7 4 2 7	04/09/68	FISCHER			
	5 7 1 5 4 8 2	02/03/98	WAKABAYASHI			
	4 5 9 7 6 5 7	07/11/1986	WAKABAYASHI			

FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO
	8 - 3 1 3 7 9 0	11/29/94	JAPAN			
	6 - 2 3 0 2 6 3	08/19/94	JAPAN			
	10 - 2 5 4 0 5 4	09/25/98	JAPAN			

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

	1	English language Abstract of JP 8-313790.
	2	English language Abstract of JP 6-230263.
	3	English language Abstract of JP10-254054.
	4	English language Abstract of JP2003-149723.

EXAMINER

DATE CONSIDERED

2/16/05

*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.